

Ohio State University Horticulture and Crop Science

IMPACT PROGRAMS IN FIELD CORN

Trial ID: 07PRPOC4
Location: WESTERN BRANCH BIG E

Study Dir.: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels
Affiliation: OSU
Investigator: Dr. Mark M. Loux
Affiliation: OSU

TRIAL LOCATION

State/Prov.: Ohio **Trial Status:** yield
Country: USA **Initiation Date:** Apr/01/2007
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. SETFA	Giant foxtail	Setaria faberi
2. CHEAL	Common lambsquarters	Chenopodium album
3. ABUTH	Velvetleaf	Abutilon theophrasti
4. AMARE	Redroot pigweed	Amaranthus retroflexus
5. AMBEL	Common ragweed	Ambrosia artemisiifolia
6. AMBTR	Giant ragweed	Ambrosia trifida
7. POLPY	Pennsylvania smartweed	Polygonum pennsylvanicum

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 34A17
Planting Date: May/02/2007 **Planting Method:** JOHN DEERE 7200
Rate: 42000 SEED/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 30 FT **Reps:** 4
Tillage Type: CONVENTIONAL **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM: 2.2	Texture: SILTY CLAY LOAM
pH: 6.1	Soil Name: KOKOMO
CEC: 13.8	

Overall Moisture Conditions: POOR

APPLICATION DESCRIPTION

	A	B
Application Date:	May/02/2007	May/30/2007
Time of Day:	4:00 PM	9:00 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	74 F	71 F
% Relative Humidity:	57	73
Wind Velocity, Unit:	7 N	3 S
Soil Temp., Unit:	66 F	62 F
Soil Moisture:	DRY MOIST	DRY DRY
% Cloud Cover:	20	75

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX .	ZEAMX .
Stage Scale:	.	5 collar
Height, Unit:		13 IN

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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA .	SETFA 6"
Stage Scale:	. .	4LVS
Density, Unit:	. .	60.7 M2
Weed 2 Code, Stage:	CHEAL .	CHEAL 2-4"
Stage Scale:	. .	8-10LVS
Density, Unit:	. .	26 M2
Weed 3 Code, Stage:	ABUTH .	ABUTH 2-5"
Stage Scale:	. .	2-5LVS
Density, Unit:	. .	3.75 M2
Weed 4 Code, Stage:	AMARE .	AMARE 2"
Stage Scale:	. .	6LVS
Density, Unit:	. .	1 M2
Weed 5 Code, Stage:	AMBEL .	AMBEL 2-4"
Stage Scale:	. .	6-10LVS
Density, Unit:	. .	0.33 M2
Weed 6 Code, Stage:	AMBTR .	AMBTR 8-10"
Stage Scale:	. .	8-12LVS
Density, Unit:	. .	2.25 M2
Weed 7 Code, Stage:	POLPY .	POLPY 2"
Stage Scale:	. .	6LVS
Density, Unit:	. .	0.1 M2

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	50	50
Nozzle Type:	DG	DG
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA
Propellant:	CO2	CO2

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Investigator: Dr. Mark M. Loux

Weed Code	SETFA	CHEAL	AMARE	ABUTH	AMBTR
Crop Code					
Rating Data Type	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Unit					
Rating Date	May/30/2007	May/30/2007	May/30/2007	May/30/2007	May/30/2007
Trt-Eval Interval	AT POST	AT POST	AT POST	AT POST	AT POST
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	1	2	3	4	5
1	UTC					0 c	0 c	0 c	0 c	0 d
2	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	60 b	53 b	98 ab	45 b	8 cd
3	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	60 b	50 b	100 a	30 b	10 cd
3	IMPACT	0.016 lb ai/a	0.73 oz/a		B					
3	ATRAZINE	0.5 lb ai/a	1 pt/a							
3	MSO	1 % v/v	0.8 qt/a							
3	28%	2.5 % v/v	2 qt/a							
4	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	53 b	55 b	100 a	40 b	15 cd
4	CALLISTO	0.094 lb ai/a	3 oz/a		B					
4	ATRAZINE	0.5 lb ai/a	1 pt/a							
4	COC	1 % v/v	0.8 qt/a							
4	28%	2.5 % v/v	2 qt/a							
5	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	55 b	58 ab	100 a	35 b	34 abc
5	LAUDIS	0.082 lb ai/a	3 oz/a		B					
5	ATRAZINE	0.5 lb ai/a	1 pt/a							
5	COC	1 % v/v	0.8 qt/a							
5	28%	2.5 % v/v	2 qt/a							
6	STEADFAST	0.035 lb ai/a	0.75 oz/a		B					
6	ATRAZINE	0.5 lb ai/a	1 pt/a							
6	MSO	1 % v/v	0.8 qt/a							
6	28%	2.5 % v/v	2 qt/a							
7	IMPACT	0.011 lb ai/a	0.503 oz/a		B					
7	STEADFAST	0.035 lb ai/a	0.75 oz/a							
7	ATRAZINE	0.5 lb ai/a	1 pt/a							
7	MSO	1 % v/v	0.8 qt/a							
7	28%	2.5 % v/v	2 qt/a							
8	CALLISTO	0.063 lb ai/a	2 oz/a		B					
8	STEADFAST	0.035 lb ai/a	0.75 oz/a							
8	ATRAZINE	0.5 lb ai/a	1 pt/a							
8	COC	1 % v/v	0.8 qt/a							
8	28%	2.5 % v/v	2 qt/a							
9	LAUDIS	0.055 lb ai/a	2 oz/a		B					
9	OPTION	0.033 lb ai/a	0.75 oz/a							
9	ATRAZINE	0.5 lb ai/a	1 pt/a							
9	MSO	1 % v/v	0.8 qt/a							
9	28%	2.5 % v/v	2 qt/a							
10	DUAL II MAGNUM	0.76 lb ai/a	0.8 pt/a		A	71 b	58 ab	88 b	30 b	5 d
10	IMPACT	0.011 lb ai/a	0.503 oz/a		C					
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a							
10	AMS	2.5 % v/v	2 qt/a							
11	DUAL II MAGNUM	0.76 lb ai/a	0.8 pt/a		A	71 b	58 ab	95 ab	30 b	15 cd
11	IMPACT	0.011 lb ai/a	0.503 oz/a		C					
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a							
11	ATRAZINE	0.5 lb ai/a	1 pt/a							
11	AMS	2.5 % v/v	2 qt/a							

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Weed Code				SETFA	CHEAL	AMARE	ABUTH	AMBTR			
Crop Code				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Data Type				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Rating Unit				May/30/2007	May/30/2007	May/30/2007	May/30/2007	May/30/2007			
Rating Date				AT POST	AT POST	AT POST	AT POST	AT POST			
Tri-Eval Interval				0	0	0	0	0			
# Subsamples, Dec.				0	0	0	0	0			
Tri	Treatment	Rate	Product	Product	Appl	1	2	3	4	5	
No.	Name	Rate	Unit	Rate	Unit	Code					
12	DUAL II MAGNUM	0.76	lb ai/a	0.8	pt/a	A	68 b	60 ab	95 ab	36 b	20 bcd
12	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
12	AMS	2.5	% v/v	2	qt/a						
13	BICEP II MAGNUM	2.9	lb ai/a	2.1	qt/a	A	86 a	73 a	100 a	73 a	45 a
13	CALLISTO	0.094	lb ai/a	3	oz/a	C					
13	ATRAZINE	0.5	lb ai/a	1	pt/a						
13	COC	1	% v/v	0.8	qt/a						
13	28%	2.5	% v/v	2	qt/a						
14	BICEP II MAGNUM	1.44	lb ai/a	1.05	qt/a	A	65 b	55 b	96 ab	35 b	33 abc
14	STATUS	0.175	lb ai/a	5	oz/a	C					
14	NIS	0.25	% v/v	6.4	oz/a						
14	28 %	2.5	% v/v	2	qt/a						
15	BICEP II MAGNUM	1.44	lb ai/a	1.05	qt/a	A	64 b	58 ab	98 ab	35 b	20 bcd
15	STATUS	0.175	lb ai/a	5	oz/a	C					
15	ATRAZINE	0.5	lb ai/a	0.5	qt/a						
15	NIS	0.25	% v/v	6.4	oz/a						
15	28 %	2.5	% v/v	2	qt/a						
16	DUAL II MAGNUM	0.764	lb ai/a	0.8	pt/a	A	68 b	63 ab	98 ab	30 b	42 ab
16	STATUS	0.0875	lb ai/a	2.5	oz/a	C					
16	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a						
16	AMS	2.5	% v/v	2	qt/a						
LSD (P=.05)							12.2	10.1	6.9	11.3	16.6
Standard Deviation							8.5	7.0	4.8	7.9	11.5
CV							14.1	13.17	5.41	22.5	56.3
Bartlett's X2							10.48	8.359	2.628	1.838	11.243
P(Bartlett's X2)							0.399	0.594	0.854	0.934	0.259
Replicate F							0.640	1.774	0.803	4.110	1.376
Replicate Prob(F)							0.5946	0.1713	0.5010	0.0139	0.2684
Treatment F							24.254	25.467	137.584	16.861	6.496
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				SETFA	AMBTR	CHEAL	AMARE	ABUTH			
Crop Code				ZEAMX							
Rating Data Type				PHYTO	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Rating Date				Jun/07/2007	Jun/07/2007	Jun/07/2007	Jun/07/2007	Jun/07/2007			
Trt-Eval Interval				8 DA-B	8 DA-B	8 DA-B	8 DA-B	8 DA-B			
# Subsamples, Dec.				0	0	0	0	0			
Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	6	7	8	9	10	11
13	BICEP II MAGNUM	2.9 lb ai/a	2.1 qt/a		A	0 a	80 a-d	96 a	98 a	100 a	100 a
	13 CALLISTO	0.094 lb ai/a	3 oz/a		C						
	13 ATRAZINE	0.5 lb ai/a	1 pt/a								
	13 COC	1 % v/v	0.8 qt/a								
	13 28%	2.5 % v/v	2 qt/a								
14	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	0 a	51 e	72 bc	71 f	100 a	88 a
	14 STATUS	0.175 lb ai/a	5 oz/a		C						
	14 NIS	0.25 % v/v	6.4 oz/a								
	14 28 %	2.5 % v/v	2 qt/a								
15	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	0 a	55 e	81 abc	79 c-f	100 a	100 a
	15 STATUS	0.175 lb ai/a	5 oz/a		C						
	15 ATRAZINE	0.5 lb ai/a	0.5 qt/a								
	15 NIS	0.25 % v/v	6.4 oz/a								
	15 28 %	2.5 % v/v	2 qt/a								
16	DUAL II MAGNUM	0.764 lb ai/a	0.8 pt/a		A	0 a	99 a	84 ab	86 a-d	100 a	98 a
	16 STATUS	0.0875 lb ai/a	2.5 oz/a		C						
	16 ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a								
	16 AMS	2.5 % v/v	2 qt/a								
	LSD (P=.05)					0.0	14.2	11.7	8.8	3.4	18.8
	Standard Deviation					0.0	9.9	8.2	6.2	2.4	13.1
	CV					0.0	14.28	11.71	8.03	2.57	14.59
	Bartlett's X2					0.0	21.686	12.898	13.694	0.0	31.331
	P(Bartlett's X2)					.	0.085	0.456	0.25	.	0.001*
	Replicate F					0.000	6.209	4.918	3.196	1.000	1.377
	Replicate Prob(F)					1.0000	0.0013	0.0051	0.0323	0.4016	0.2621
	Treatment F					0.000	23.270	52.137	61.864	434.455	14.789
	Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Code				SETFA	AMBTR	CHEAL	AMARE	ABUTH			
Crop Code				ZEAMX							
Rating Data Type				PHYTO	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Rating Date				Jun/12/2007	Jun/12/2007	Jun/12/2007	Jun/12/2007	Jun/12/2007			
Trt-Eval Interval				13 DA-B	13 DA-B	13 DA-B	13 DA-B	13 DA-B			
# Subsamples, Dec.				0	0	0	0	0			
Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	12	13	14	15	16	17
13	BICEP II MAGNUM	2.9 lb ai/a	2.1 qt/a		A	0 a	81 a-d	98 a	100 a	100 a	100 a
	13 CALLISTO	0.094 lb ai/a	3 oz/a		C						
	13 ATRAZINE	0.5 lb ai/a	1 pt/a								
	13 COC	1 % v/v	0.8 qt/a								
	13 28%	2.5 % v/v	2 qt/a								
14	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	1 a	68 cde	88 a	84 bc	100 a	88 a
	14 STATUS	0.175 lb ai/a	5 oz/a		C						
	14 NIS	0.25 % v/v	6.4 oz/a								
	14 28 %	2.5 % v/v	2 qt/a								
15	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	1 a	65 de	99 a	90 ab	100 a	96 a
	15 STATUS	0.175 lb ai/a	5 oz/a		C						
	15 ATRAZINE	0.5 lb ai/a	0.5 qt/a								
	15 NIS	0.25 % v/v	6.4 oz/a								
	15 28 %	2.5 % v/v	2 qt/a								
16	DUAL II MAGNUM	0.764 lb ai/a	0.8 pt/a		A	1 a	100 a	95 a	93 ab	100 a	100 a
	16 STATUS	0.0875 lb ai/a	2.5 oz/a		C						
	16 ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a								
	16 AMS	2.5 % v/v	2 qt/a								
LSD (P=.05)						1.4	11.6	12.7	9.1	2.0	11.7
Standard Deviation						1.0	8.1	8.9	6.4	1.4	8.2
CV						129.96	10.38	10.9	7.83	1.51	9.14
Bartlett's X2						4.257	16.225	37.943	7.552	1.325	12.699
P(Bartlett's X2)						0.894	0.237	0.001*	0.478	0.25	0.013*
Replicate F						0.789	1.964	2.834	4.734	0.721	1.542
Replicate Prob(F)						0.5061	0.1329	0.0493	0.0059	0.5450	0.2166
Treatment F						2.596	35.031	41.601	69.056	1252.284	39.164
Treatment Prob(F)						0.0069	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Ohio State University Horticulture and Crop Science

Weed Code	SETFA	AMBTR	CHEAL	AMARE	ABUTH	SETFA
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jun/25/2007	Jun/25/2007	Jun/25/2007	Jun/25/2007	Jun/25/2007	Jul/25/2007
Trt-Eval Interval	26 DA-B	26 DA-B	26 DA-B	26 DA-B	26 DA-B	56 DA-B
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	18	19	20	21	22	23
13	BICEP II MAGNUM	2.9 lb ai/a	2.1 qt/a		A	81 abc	97 a	100 a	100 a	100 a	83 a
13	CALLISTO	0.094 lb ai/a	3 oz/a		C						
13	ATRAZINE	0.5 lb ai/a	1 pt/a								
13	COC	1 % v/v	0.8 qt/a								
13	28%	2.5 % v/v	2 qt/a								
14	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	43 f	95 a	94 a	100 a	95 a	75 a
14	STATUS	0.175 lb ai/a	5 oz/a		C						
14	NIS	0.25 % v/v	6.4 oz/a								
14	28 %	2.5 % v/v	2 qt/a								
15	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	58 def	98 a	98 a	100 a	100 a	73 a
15	STATUS	0.175 lb ai/a	5 oz/a		C						
15	ATRAZINE	0.5 lb ai/a	0.5 qt/a								
15	NIS	0.25 % v/v	6.4 oz/a								
15	28 %	2.5 % v/v	2 qt/a								
16	DUAL II MAGNUM	0.764 lb ai/a	0.8 pt/a		A	94 a	84 a	88 ab	100 a	98 a	89 a
16	STATUS	0.0875 lb ai/a	2.5 oz/a		C						
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a								
16	AMS	2.5 % v/v	2 qt/a								
LSD (P=.05)						14.1	15.4	9.9	8.9	13.5	10.1
Standard Deviation						9.8	10.8	7.0	6.3	9.4	7.1
CV						14.14	14.79	8.59	6.72	10.66	9.27
Bartlett's X2						9.995	22.099	22.845	0.0	34.82	13.91
P(Bartlett's X2)						0.694	0.077	0.011*	.	0.001*	0.456
Replicate F						2.325	7.184	3.571	1.000	1.996	0.439
Replicate Prob(F)						0.0875	0.0005	0.0212	0.4016	0.1281	0.7265
Treatment F						23.816	34.702	59.601	63.933	32.380	38.185
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Weed Code				AMBTR	CHEAL	AMARE	ABUTH		
Crop Code				CONTROL	CONTROL	CONTROL	CONTROL		
Rating Data Type				PERCENT	PERCENT	PERCENT	PERCENT		
Rating Unit				Jul/25/2007	Jul/25/2007	Jul/25/2007	Jul/25/2007		
Rating Date				56 DA-B	56 DA-B	56 DA-B	56 DA-B		
Trt-Eval Interval				0	0	0	0		
# Subsamples, Dec.				0	0	0	0		
Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	24	25	26	27
1	UTC					0 d	0 e	0 b	0 c
2	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	25 c	48 d	90 a	55 b
3	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	91 a	100 a	100 a	99 a
3	IMPACT	0.016 lb ai/a	0.73 oz/a		B				
3	ATRAZINE	0.5 lb ai/a	1 pt/a						
3	MSO	1 % v/v	0.8 qt/a						
3	28%	2.5 % v/v	2 qt/a						
4	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	98 a	100 a	100 a	100 a
4	CALLISTO	0.094 lb ai/a	3 oz/a		B				
4	ATRAZINE	0.5 lb ai/a	1 pt/a						
4	COC	1 % v/v	0.8 qt/a						
4	28%	2.5 % v/v	2 qt/a						
5	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	98 a	98 a	100 a	100 a
5	LAUDIS	0.082 lb ai/a	3 oz/a		B				
5	ATRAZINE	0.5 lb ai/a	1 pt/a						
5	COC	1 % v/v	0.8 qt/a						
5	28%	2.5 % v/v	2 qt/a						
6	STEADFAST	0.035 lb ai/a	0.75 oz/a		B	59 b	90 ab	100 a	90 a
6	ATRAZINE	0.5 lb ai/a	1 pt/a						
6	MSO	1 % v/v	0.8 qt/a						
6	28%	2.5 % v/v	2 qt/a						
7	IMPACT	0.011 lb ai/a	0.503 oz/a		B	79 a	86 abc	100 a	100 a
7	STEADFAST	0.035 lb ai/a	0.75 oz/a						
7	ATRAZINE	0.5 lb ai/a	1 pt/a						
7	MSO	1 % v/v	0.8 qt/a						
7	28%	2.5 % v/v	2 qt/a						
8	CALLISTO	0.063 lb ai/a	2 oz/a		B	91 a	100 a	100 a	100 a
8	STEADFAST	0.035 lb ai/a	0.75 oz/a						
8	ATRAZINE	0.5 lb ai/a	1 pt/a						
8	COC	1 % v/v	0.8 qt/a						
8	28%	2.5 % v/v	2 qt/a						
9	LAUDIS	0.055 lb ai/a	2 oz/a		B	91 a	100 a	100 a	100 a
9	OPTION	0.033 lb ai/a	0.75 oz/a						
9	ATRAZINE	0.5 lb ai/a	1 pt/a						
9	MSO	1 % v/v	0.8 qt/a						
9	28%	2.5 % v/v	2 qt/a						
10	DUAL II MAGNUM	0.76 lb ai/a	0.8 pt/a		A	83 a	78 bc	100 a	96 a
10	IMPACT	0.011 lb ai/a	0.503 oz/a		C				
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a						
10	AMS	2.5 % v/v	2 qt/a						
11	DUAL II MAGNUM	0.76 lb ai/a	0.8 pt/a		A	86 a	78 bc	100 a	96 a
11	IMPACT	0.011 lb ai/a	0.503 oz/a		C				
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a						
11	ATRAZINE	0.5 lb ai/a	1 pt/a						
11	AMS	2.5 % v/v	2 qt/a						
12	DUAL II MAGNUM	0.76 lb ai/a	0.8 pt/a		A	85 a	70 c	100 a	98 a
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
12	AMS	2.5 % v/v	2 qt/a						

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Weed Code	AMBTR	CHEAL	AMARE	ABUTH
Crop Code				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jul/25/2007	Jul/25/2007	Jul/25/2007	Jul/25/2007
Trt-Eval Interval	56 DA-B	56 DA-B	56 DA-B	56 DA-B
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	24	25	26	27
13	BICEP II MAGNUM	2.9 lb ai/a	2.1 qt/a		A	98 a	100 a	100 a	100 a
13	CALLISTO	0.094 lb ai/a	3 oz/a		C				
13	ATRAZINE	0.5 lb ai/a	1 pt/a						
13	COC	1 % v/v	0.8 qt/a						
13	28%	2.5 % v/v	2 qt/a						
14	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	96 a	94 ab	100 a	98 a
14	STATUS	0.175 lb ai/a	5 oz/a		C				
14	NIS	0.25 % v/v	6.4 oz/a						
14	28%	2.5 % v/v	2 qt/a						
15	BICEP II MAGNUM	1.44 lb ai/a	1.05 qt/a		A	96 a	95 ab	100 a	100 a
15	STATUS	0.175 lb ai/a	5 oz/a		C				
15	ATRAZINE	0.5 lb ai/a	0.5 qt/a						
15	NIS	0.25 % v/v	6.4 oz/a						
15	28%	2.5 % v/v	2 qt/a						
16	DUAL II MAGNUM	0.764 lb ai/a	0.8 pt/a		A	81 a	86 abc	100 a	100 a
16	STATUS	0.0875 lb ai/a	2.5 oz/a		C				
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a						
16	AMS	2.5 % v/v	2 qt/a						
LSD (P=.05)						14.7	12.2	7.1	7.9
Standard Deviation						10.3	8.5	5.0	5.5
CV						13.12	10.32	5.37	6.14
Bartlett's X2						15.353	22.775	0.0	26.082
P(Bartlett's X2)						0.354	0.012*	.	0.001*
Replicate F						6.669	2.774	1.000	1.637
Replicate Prob(F)						0.0008	0.0522	0.4016	0.1942
Treatment F						29.493	37.970	99.667	91.692
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.